

Key Features

- 1: Professional off grid solar system solution, which is a combination of big power inverter and solar controller
- 2: Working modes switches automatically— AC Grid bypass mode, inverter mode, AC Charging mode, solar charging mode
- 3: Pure sine wave output which matches wave form of AC grid no matter is on AC grid mode or inverter mode, workable on inductive load
- 4: Remote control & RS232 communication port; Power saver mode
- 5: Four stages smart charging, charging current adjusted automatically
- 6: DIP switch optional: Selectable charging voltage for various battery type
- 7: Manual control input&output breakers
- 8: AC Grid priority & battery priority working mode as selectable
- 9: AC grid mode: AC Bypass supplies load when AC is normal, battery invert AC supplies load when AC is off
- 10: Battery priority: battery invert supplies load when battery get full-charged; AC bypass supplies load when battery low and at the meantime battery get charged from solar controller. It transfers back to battery invert modewhen battery get full charged. It makes full use of solar energy and saves electricity.
- 11: LCD&LED Screen for option
- 12: Inbuilt MPPT Solar Charger Controller 20/30/40/50/60A, AC Charger 35 - 70A, with DC Voltage 12/24/48VDC



Hybrid Solar Inverter Controller All in one Cosmos Star Series 1000W-6000W (1ph in/1ph out)

Technical Specification

Model NO.	CS600	CS1000	CS2000	CS3000	CS4000	CS5000	CS6000
Rated Power	600W	1000W	2000W	3000W	4000W	5000W	6000W
AC INPUT							
Phase&Waveform	Single pahse&Pure Sine Wave						
Voltage	110VAC/120VAC/220VAC/230VAC/240VAC						
Fequency	50HZ/60HZ(Auto adjust)						
Voltage range	95-127VAC/194-253VAC						
Frequency range	48-54HZ/58-64HZ						
AC Output							
Waveform	Pure Sine wave and single phase						
Voltage	110VAC/120VAC/220VAC/230VAC/240VAC						
Frequency	50HZ/60HZ						
Peak Power	1800W	3000W	6000W	9000W	12000W	15000W	18000W
Battery							
Battery DC	12/24VDC	12/24VDC	12/24/48VDC		24/48VDC		
MAX charging cunrent	&n, bsp;					20A-75A	
Battery type	&n, bsp;					GEL,AGM, Sealed lead acid	
MPPT Controller							
PV Input	15-30VDC For 12VDC/30-55VDC For 24VDC						
MAX charging cunrent	20/30/40/50/60AMP						
MAX Ouput	15A						
for DC laod							
Transfer efficiency							
MPPT efficiency	more than 95%						
Line Mode	more than 95%						
Battery Mode	more than 85%						
Power Saver	Available when load is less than 50A						
Transfer time	10ms						
Indicator							
7-LED Indicators	Left to right: 1.Line Mode(Green),2.Inverter Mode(Green),Charging Mode(Yellow),4.Full Load Mode(Green),5.Over Temp(Red),6.Over Load(Red),7.Saving Mode(Green)						
2-LED Indicators on MPPT	Power/CHG Mode						
Dimension	486*400*181mm				486*432*181mm		
Weight	22KG	26KG	28KG	33KG	45KG	52KG	56KG